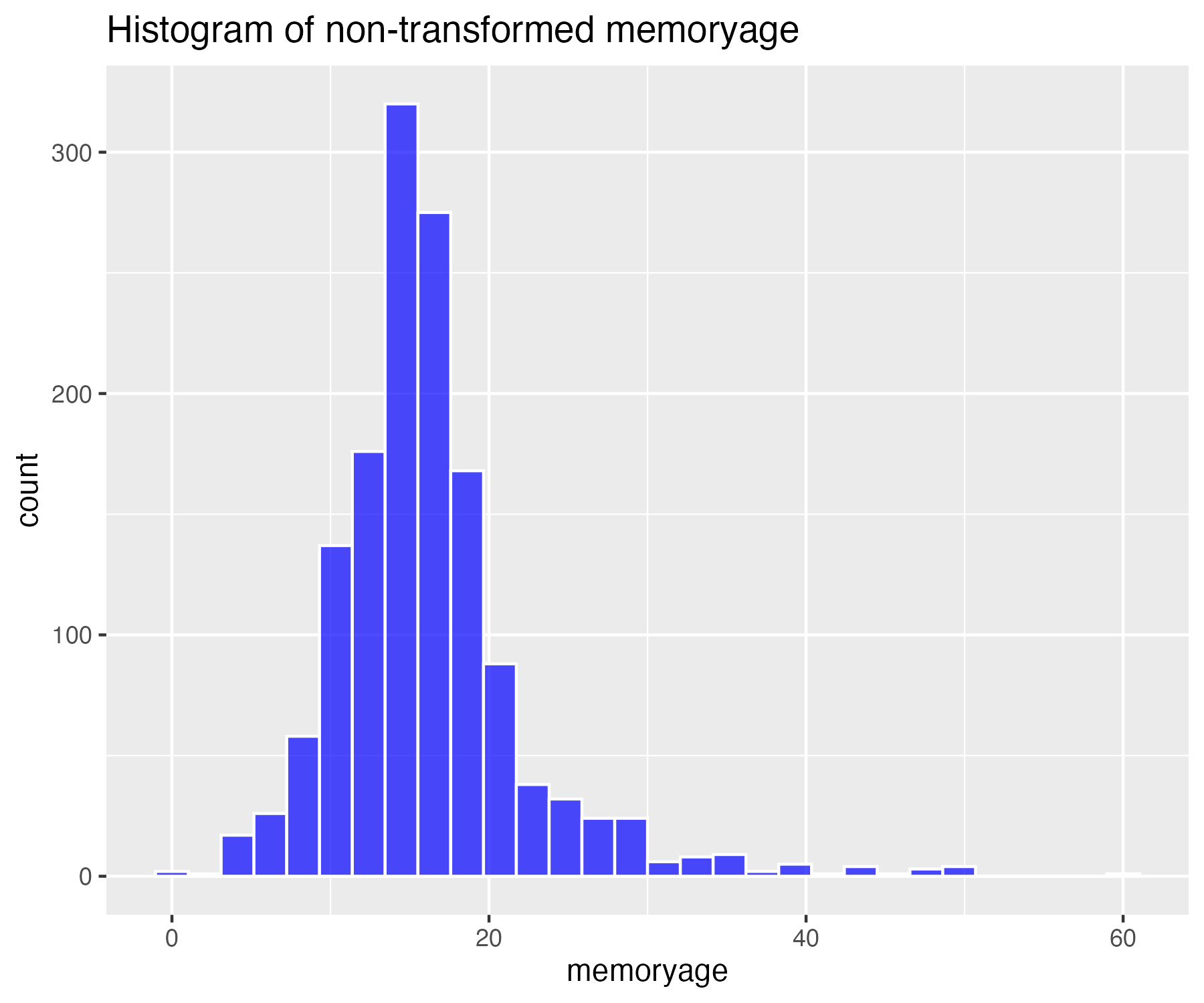
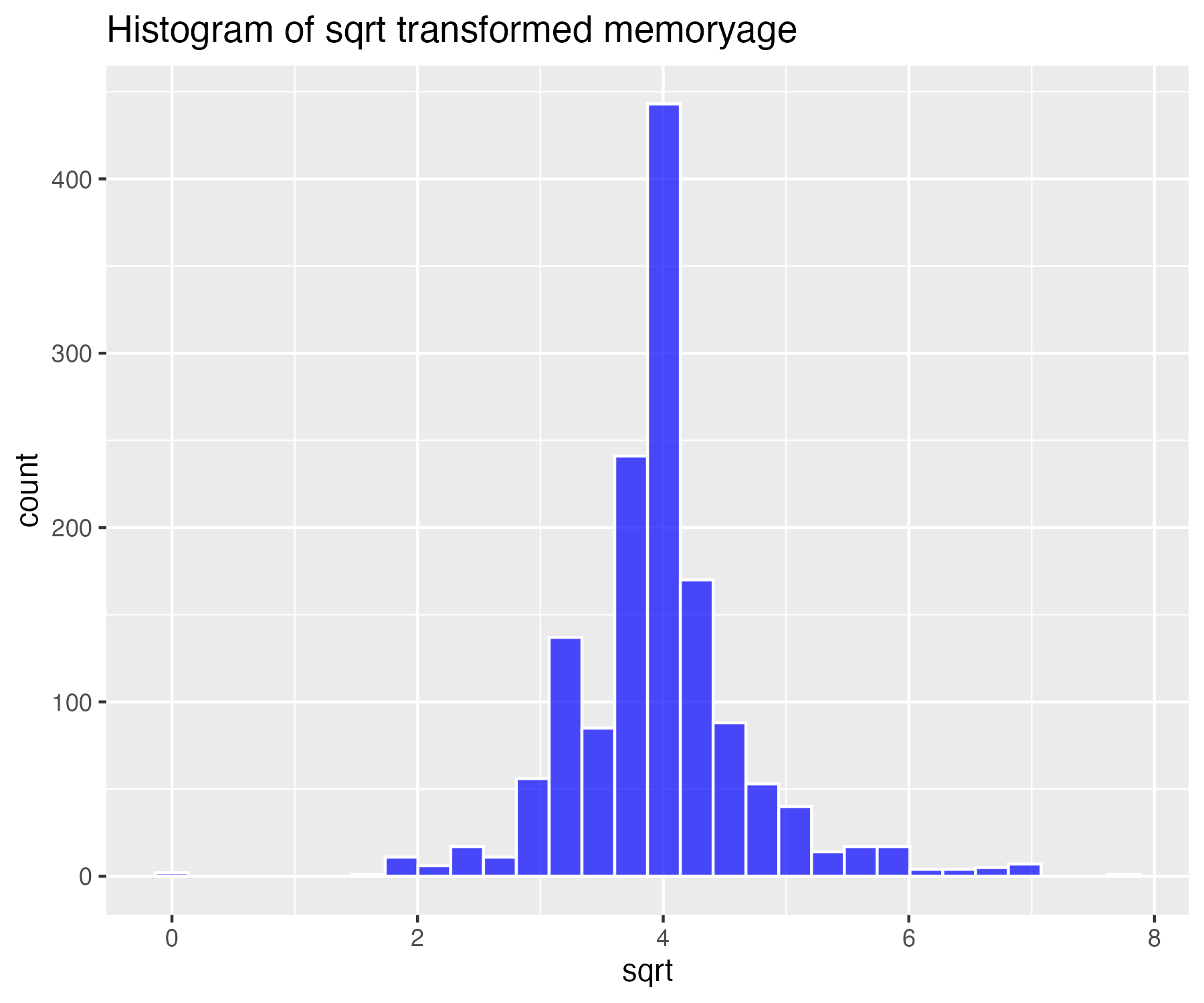
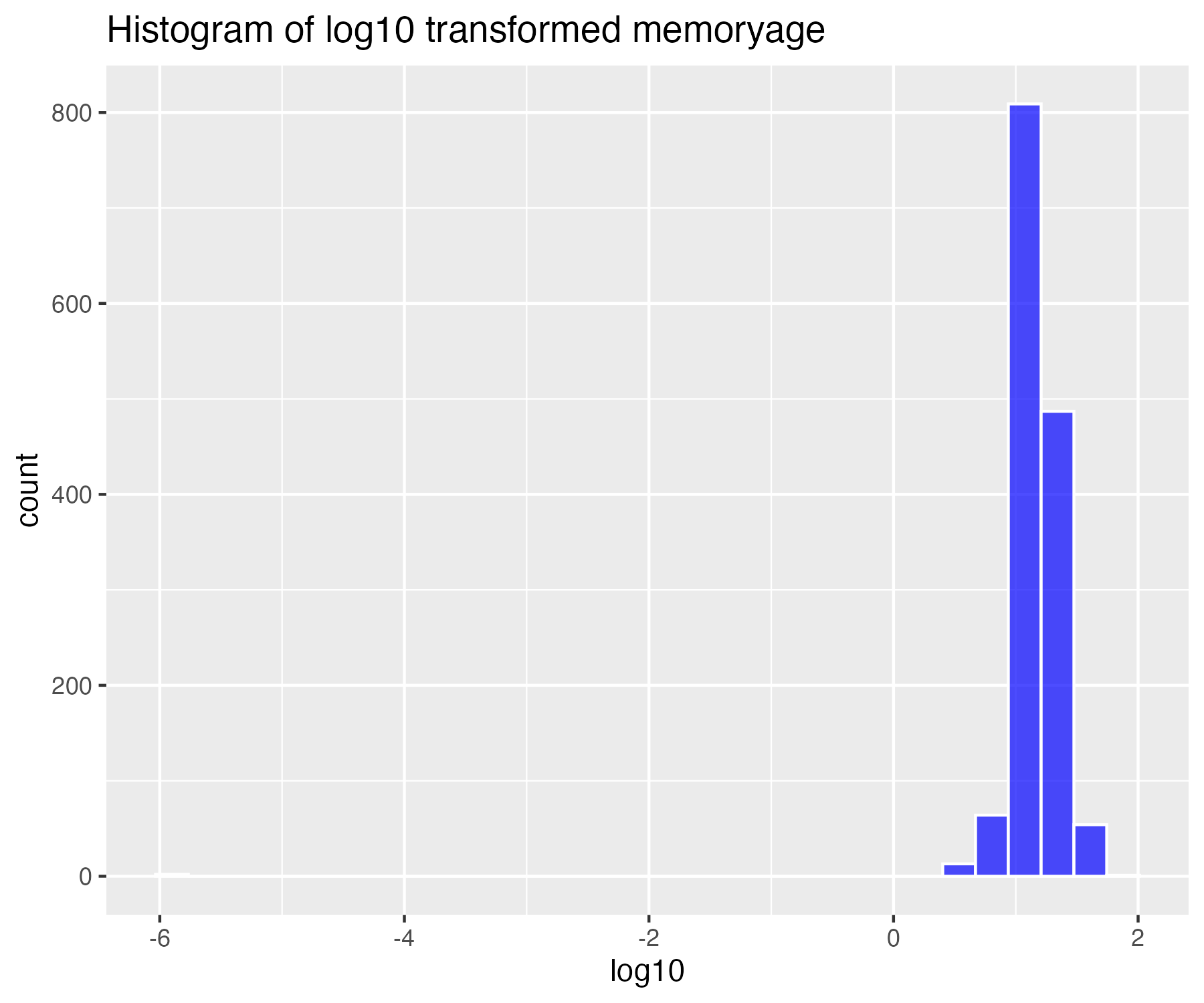
## Histogram of non-transformed memoryage



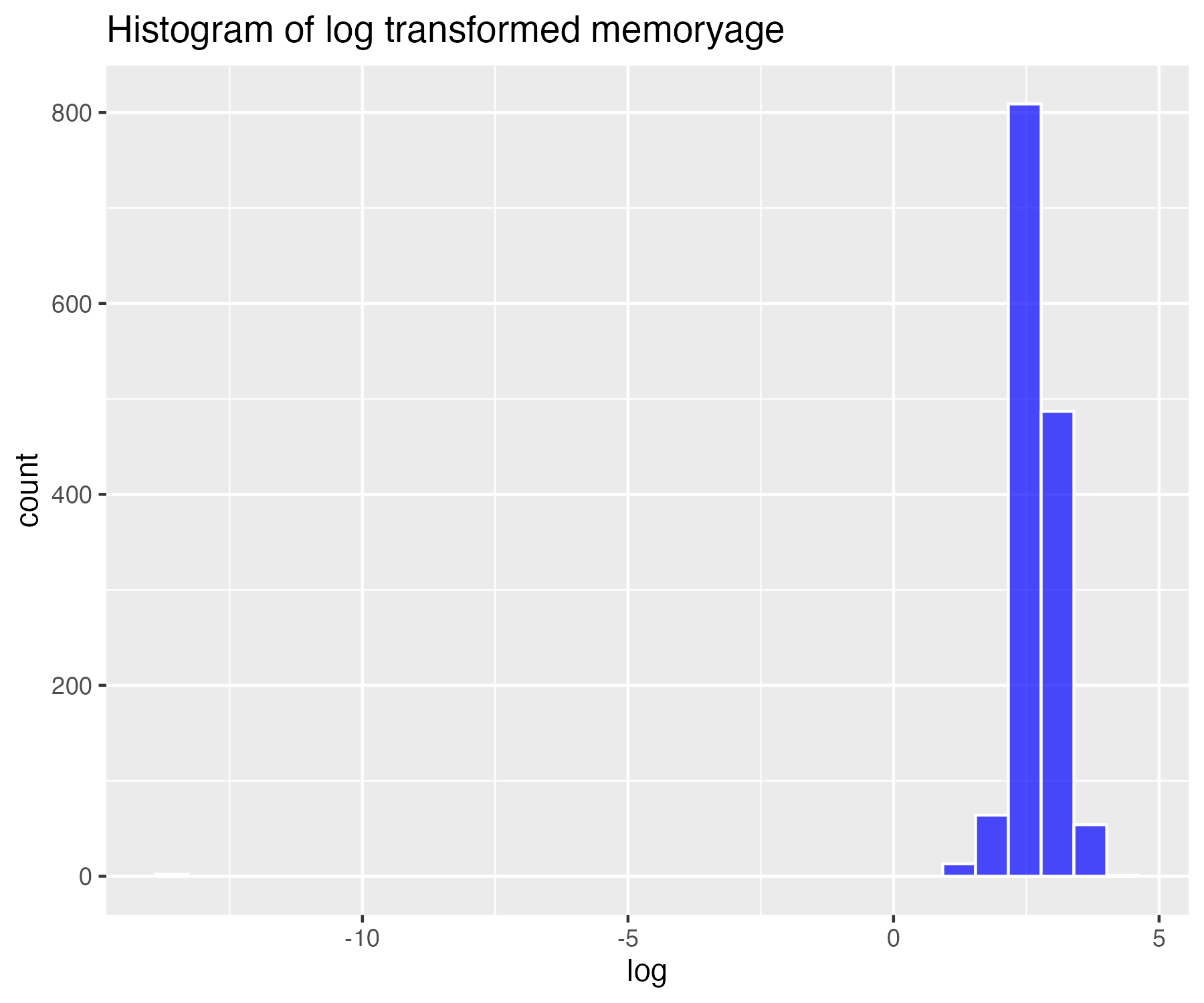
## Square-root transform of memoryage (for moderate skew)



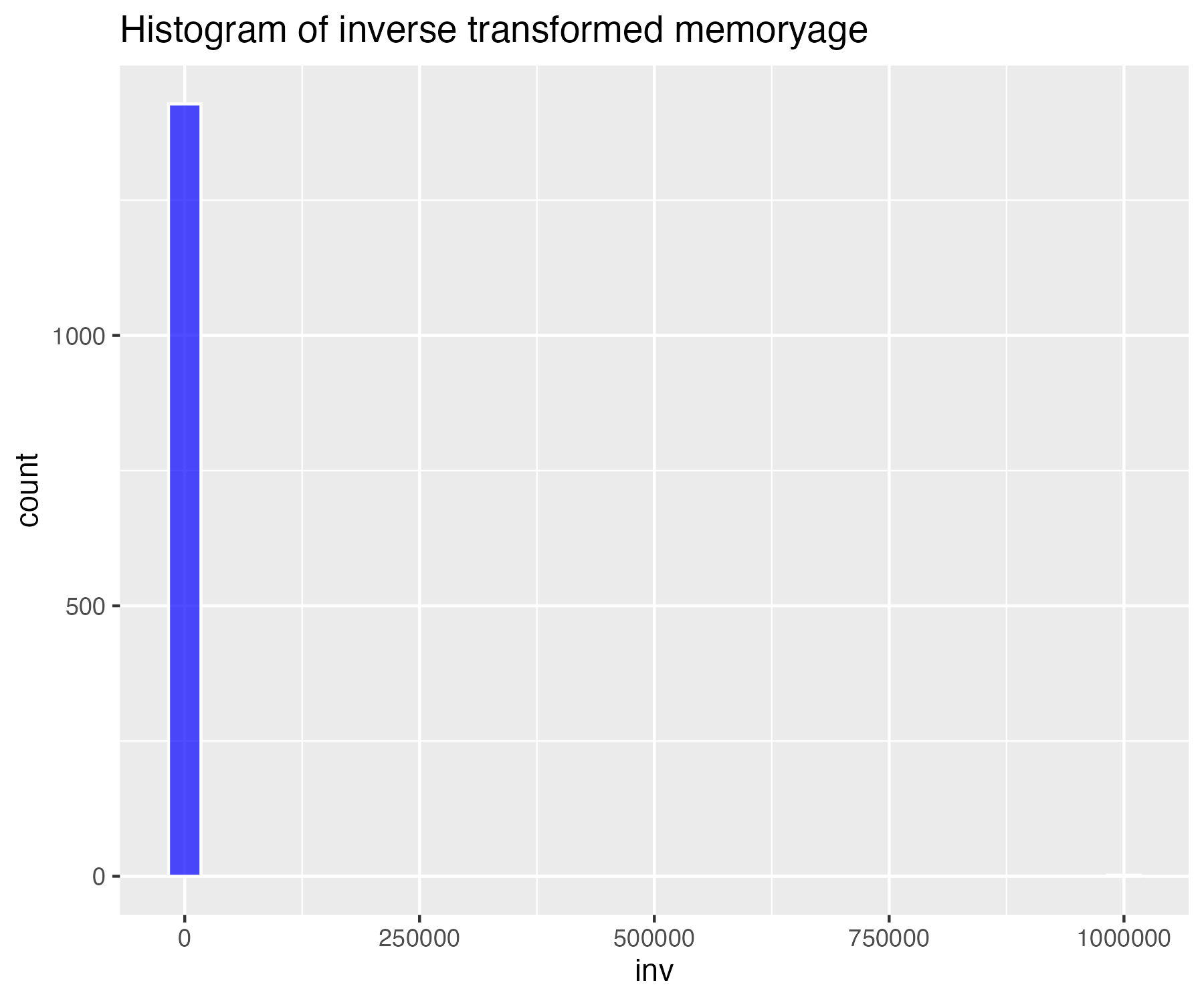
## Log base 10 transform of memoryage (for high skew)



## Natural log transform of memoryage (for higher skew)



## Inverse transform of memoryage (for severe skew)



## Descriptives summary table for all variables (not transformed)

| matrix.nrow...20..ncol...1. | memoryage |
| --- | --- |
| nbr.val | 1,430.00 |
| nbr.null | 2.00 |
| nbr.na | 0.00 |
| min | 0.00 |
| max | 60.00 |
| range | 60.00 |
| sum | 23,082.33 |
| median | 15.00 |
| mean | 16.14 |
| SE.mean | 0.16 |
| CI.mean.0.95 | 0.32 |
| var | 38.22 |
| std.dev | 6.18 |
| coef.var | 0.38 |
| skewness | 1.95 |
| skew.2SE | 15.04 |
| kurtosis | 7.47 |
| kurt.2SE | 28.86 |
| normtest.W | 0.86 |
| normtest.p | 0.00 |

## Descriptives summary table for all variables - sqrt transform

| matrix.nrow...20..ncol...1. | stat.desc.foo.sqrt..norm...TRUE. |
| --- | --- |
| nbr.val | 1,430.00 |
| nbr.null | 0.00 |
| nbr.na | 0.00 |
| min | 0.00 |
| max | 7.75 |
| range | 7.74 |
| sum | 5,650.38 |
| median | 3.87 |
| mean | 3.95 |
| SE.mean | 0.02 |
| CI.mean.0.95 | 0.04 |
| var | 0.53 |
| std.dev | 0.73 |
| coef.var | 0.18 |
| skewness | 0.58 |
| skew.2SE | 4.48 |
| kurtosis | 3.92 |
| kurt.2SE | 15.15 |
| normtest.W | 0.93 |
| normtest.p | 0.00 |

## Descriptives summary table for all variables - log10 transform

| matrix.nrow...20..ncol...1. | stat.desc.foo.log10..norm...TRUE. |
| --- | --- |
| nbr.val | 1,430.00 |
| nbr.null | 0.00 |
| nbr.na | 0.00 |
| min | -6.00 |
| max | 1.78 |
| range | 7.78 |
| sum | 1,674.23 |
| median | 1.18 |
| mean | 1.17 |
| SE.mean | 0.01 |
| CI.mean.0.95 | 0.02 |
| var | 0.10 |
| std.dev | 0.31 |
| coef.var | 0.27 |
| skewness | -17.23 |
| skew.2SE | -133.16 |
| kurtosis | 394.87 |
| kurt.2SE | 1,526.65 |
| normtest.W | 0.35 |
| normtest.p | 0.00 |

## Descriptives summary table for all variables - log transform

| matrix.nrow...20..ncol...1. | stat.desc.foo.log..norm...TRUE. |
| --- | --- |
| nbr.val | 1,430.00 |
| nbr.null | 0.00 |
| nbr.na | 0.00 |
| min | -13.82 |
| max | 4.09 |
| range | 17.91 |
| sum | 3,855.05 |
| median | 2.71 |
| mean | 2.70 |
| SE.mean | 0.02 |
| CI.mean.0.95 | 0.04 |
| var | 0.51 |
| std.dev | 0.72 |
| coef.var | 0.27 |
| skewness | -17.23 |
| skew.2SE | -133.16 |
| kurtosis | 394.87 |
| kurt.2SE | 1,526.65 |
| normtest.W | 0.35 |
| normtest.p | 0.00 |

## Descriptives summary table for all variables - inverse transform

| matrix.nrow...20..ncol...1. | stat.desc.foo.inv..norm...TRUE. |
| --- | --- |
| nbr.val | 1,430.00 |
| nbr.null | 0.00 |
| nbr.na | 0.00 |
| min | 0.02 |
| max | 1,000,000.00 |
| range | 999,999.98 |
| sum | 2,000,100.90 |
| median | 0.07 |
| mean | 1,398.67 |
| SE.mean | 988.61 |
| CI.mean.0.95 | 1,939.29 |
| var | 1,397,622,473.74 |
| std.dev | 37,384.79 |
| coef.var | 26.73 |
| skewness | 26.66 |
| skew.2SE | 205.97 |
| kurtosis | 709.00 |
| kurt.2SE | 2,741.18 |
| normtest.W | 0.02 |
| normtest.p | 0.00 |